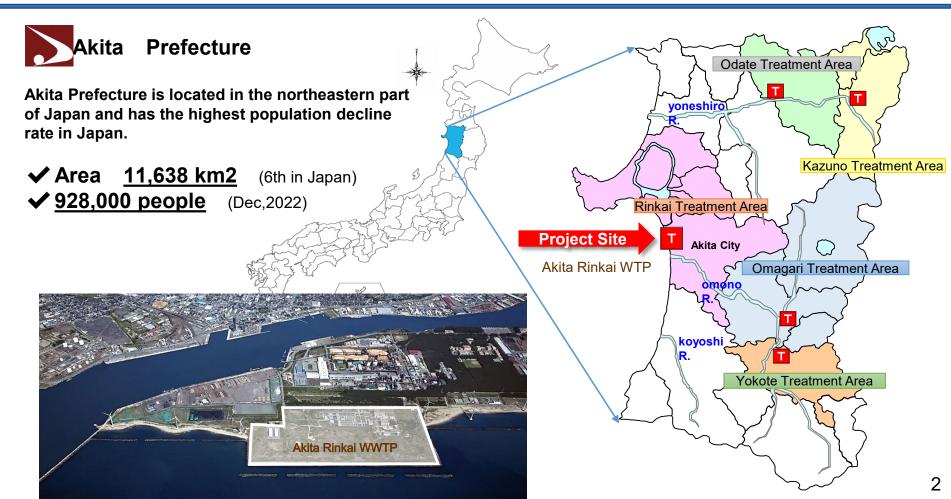


Sewerage Works of Akita Prefecture





About Treatment Plants Committed to Decarbonization



This WWTP, which aims to decarbonize, is the largest WWTP in Akita Prefecture, treating an average of 110,000 m³/d.



Name	Akita Rinkai wastewater treatment plant	
processing method	Conventional activated sludge process	
processing capacity	max. 143,000 m³/day	
processing start	April,1982	
Associated Municipalities	3 cities, 4 towns, 1 village	



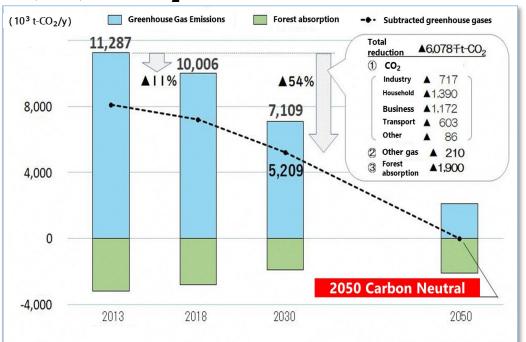


Akita Prefecture's Global Warming Prevention Goals



Akita Pref. 's Greenhouse gas emissions in 2030

5,209,000t-CO₂ (\$\times 54\% compared to 2013)



Rank	Facility Name	Energy-rerated CO ₂ emissions (t-CO2/y)
1	Akita Rinkai WWTP	8,019
2	Southern Drainage Pump Station	4,084
3	Northern Drainage Pump Station	3,261
4	Facilities for the physically and mentally challenged	3,335
5	Odate WWTP	2,158
6	Oga aquarium	1,944
7	Akita Furusato Village	1,854
8	Omagari WWTP	1,837
9	Prefectural Swimming Pool	1,720
10	Southern Area for the Elderly	1,676

Akita Rinkai WWTP emits the most CQ and the other GHGs(C닕& N₂O)

Decarbonize Akita Rinkai WWTP as a top priority

Akita Rinkai WWTP has abundant renewable energy potential









Good location for wind power generation



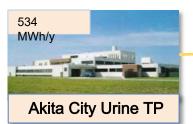


Group of public facilities near Akita Rinkai WWTP

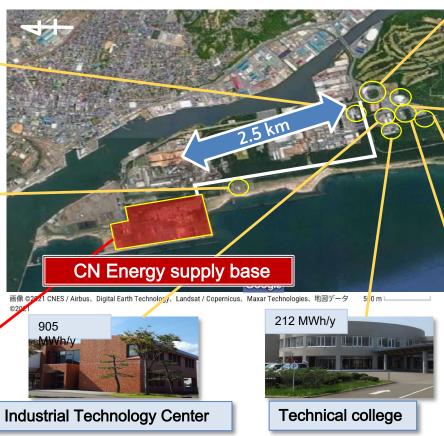














Regional Microgrid Created from Sewerage



Renovating a wastewater treatment plant into a carbon neutral energy supply center !!



Effects generated in Decarbonization Leading Area



Generous support for the project from the Japanese government through selection as a Decarbonization Leading Area



This project aims to be realized in the period 2022-2025

Expected Effects

- Energy independence of WWTP
- Early realization of carbon neutrality
- Regional circulation of energy costs
- Improving disaster resilience
- Creating a lively community etc.



Decarbonization to revitalize the region

